



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/579,795	05/18/2006	Dieter Boeckh	289275US0PCT	4756
22850	7590	08/22/2008	EXAMINER	
OBLON, SPIVAK, MCCLELLAND MAIER & NEUSTADT, P.C. 1940 DUKE STREET ALEXANDRIA, VA 22314			MRUK, BRIAN P	
			ART UNIT	PAPER NUMBER
			1796	
			NOTIFICATION DATE	DELIVERY MODE
			08/22/2008	ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patentdocket@oblon.com  
oblonpat@oblon.com  
jgardner@oblon.com

<b>Office Action Summary</b>	<b>Application No.</b> 10/579,795	<b>Applicant(s)</b> BOECKH ET AL.	
	<b>Examiner</b> Brian P. Mruk	<b>Art Unit</b> 1796	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 18 August 2006.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. _____                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>8/18/06</u> .   | 6) <input type="checkbox"/> Other: _____                          |

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

Art Unit: 1796

2. Claims 1-12 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Galleguillos et al, U.S. Patent No. 6,361,768.

Galleguillos et al, U.S. Patent No. 6,361,768, discloses a hydrophilic ampholytic polymer comprising 35-95 mole percent of at least one nonionic hydrophilic monomer, such as methoxy-polyethyleneoxide-(meth)acrylates (see col. 4, lines 43-46 and col. 7, lines 51-66), and 10-45 mole percent of at least one non-quaternized nitrogen monomer, such as N-vinylpyrrolidone, N-vinylcaprolactam, vinylpyridine, N-vinylformamide, and N-vinylacetamides (see col. 4, lines 40-42 and col. 5, line 41-col. 7, line 19). It is further taught by Galleguillos et al that the polymer is used in cleaning compositions in an amount of 0.5-15% by weight (see col. 46, lines 64-67), wherein the composition further contains 5-25% by weight of surfactants (see col. 16, lines 11-15), per the requirements of the instant invention. Specifically, note Examples 1-33. Although Galleguillos et al is silent with respect to the molecular weight of their polymers, the examiner asserts that the polymers disclosed in Galleguillos et al would inherently meet the molecular weight requirements, since the polymers disclosed in Galleguillos et al contain all of the required monomer units in the molar amounts required in the instant claims, absent a showing otherwise. Therefore, instant claims 1-12 are anticipated by Galleguillos et al, U.S. Patent No. 6,361,768.

In the alternative that the above disclosure is insufficient to anticipate the above listed claims, it would have nonetheless been obvious to the skilled artisan to produce

Art Unit: 1796

the claimed composition, as the reference teaches each of the claimed ingredients within the claimed proportions.

3. Claims 1-12 are rejected under 35 U.S.C. 102(e) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Morschhauser et al, U.S. Patent No. 6,645,476.

Morschhauser et al, U.S. Patent No. 6,645,476, discloses a water-soluble co-polymer for use in cosmetic compositions, wherein the co-polymer contains a macro-monomer having a hydrophobic moiety and one or more olefinically unsaturated co-monomers which contain a nitrogen atom (see abstract and col. 2, lines 18-28). It is further taught by Morschhauser et al that the macro-monomer having a hydrophobic moiety includes monomers containing a C<sub>10</sub>-C<sub>22</sub> alkyl radical in an amount of 50.1-99 mole% of the copolymer (see col. 3, lines 25-62 and col. 4, lines 1-4), and that the one or more olefinically unsaturated co-monomers include non-quaternized nitrogen compounds, such as such as N-vinylpyrrolidone, N-vinylcaprolactam, vinylpyridine, N-vinylformamide, and N-vinylacetamides (see col. 2, line 51-col. 3, line 7, and col. 3, lines 29-35). Morschhauser et al further discloses that the co-polymers have a number-average molecular weight of 1,000-1,500,000 g/mol (see col. 4, lines 1-15), that the co-polymers are cross-linked (see col. 4, lines 16-29), and that the co-polymers have a viscosity of 20,000-100,000 mPas (see col. 4, lines 51-59). It is further taught by Morschhauser et al that the co-polymers are used in combination with anionic, nonionic, cationic, zwitterionic and amphoteric surfactants to form cleaning compositions (see col.

Art Unit: 1796

6, line 8-col. 7, line 54). Specifically, note Examples 41-51, which disclose formulation compositions that contain the water-soluble co-polymer in combination with various surfactants, water and solvents. Therefore, instant claims 1-12 are anticipated by Morschhauser et al, U.S. Patent No. 6,645,476.

In the alternative that the above disclosure is insufficient to anticipate the above listed claims, it would have nonetheless been obvious to the skilled artisan to produce the claimed composition, as the reference teaches each of the claimed ingredients within the claimed proportions.

4. The examiner notes that the references cited in the International Search Report as "X" references are cumulative to the art rejections of record, and thus, have not been applied in this Office action in accordance with **MPEP 706.02**.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian P. Mruk whose telephone number is (571) 272-1321. The examiner can normally be reached on Mon-Thurs (7:00 AM-5:30 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Harold Pyon can be reached on (571) 272-1498. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 1796

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Brian P Mruk/  
Primary Examiner, Art Unit 1796

Brian P Mruk  
August 13, 2008

Brian P Mruk  
Primary Examiner  
Art Unit 1796